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APENDIX II - ARRC BYLAWS

BYLAWS OF THE ARIZONA REGIONAL REVIEW COMMITTEE

ARTICLE I - NAME AND PURPOSE OF ORGANIZATION

The name of this organization shall be the "Arizona Regional Review Committee", abbreviated "ARRC". This committee shall exist under authority of the Arizona Regional Public Safety Plan (ARPSP), as adopted by the Federal Communications Commission (FCC) under PR Docket 91-143, on September 4, 1991.

The purpose of this committee is to function as a frequency coordinating and advisory body for 800 MHz Public Safety channels approved by the FCC under the National Public Safety Advisory Committee, known as the NPSPAC plan. This plan was adopted by the FCC on November 24, 1987. It shall also function as a coordinator and clearinghouse for reallocated channels, known as "give backs" in other Public Safety spectrum outside the NPSPAC channels. All functions of this committee shall be in accordance with the ARPSP, as amended.

ARTICLE II - COMMITTEE MEMBERSHIP

A. Composition

First election of the 11 member ARRC was conducted at an organizational meeting held on August 21, 1991. These members shall remain on the Committee until resignation, removal for cause, or the member leaves their current public safety eligible agency. Removal for cause shall require a majority vote of the quorum at an open general meeting.

B. Member Replacement

A vacancy on the Committee shall be filled through nominations at the next regular scheduled, publicized, open public meeting, and voted upon thereat. A majority of votes of the voting agencies (one vote per eligible agency) shall be required to elect to the Committee.

C. Removal for Cause

Members may be removed for cause for non-participation under the following guidelines:

1. Removal

Members will be required to attend one-half of the meetings of the Committee or their respective subcommittee through the year. Attendance at fewer than one-half of these meetings shall be cause for review of participation by the Executive Committee during its meeting prior to the July ARRC meeting.

Should the Executive Committee find that a member has not been participating at the level required the Excomm will report to the general committee at the July meeting and schedule an open public meeting to allow voting for the removal for cause of the non-participating member. Prior to this meeting the ARRC Chairperson shall correspond with the member in question, informing the member of the committee's intention to remove for cause and advising the member of the date of the meeting at which the action will take place.

2. Filling the Vacancy

The vacancy created by removal of a member for cause shall be filled, if possible, at the same open public meeting at which the removal is approved.

Nominations for the vacancy will be taken from the floor as stipulated in Article III.C.1.b.

ARTICLE III - OFFICERS OF THE ARRC

A. Composition

The officers of the ARRC shall consist of a Chairperson, Vice-Chairperson and combined Secretary/Treasurer.

B. Election of Officers

Elections shall be held annually at the regularly scheduled meeting of the ARRC in September. Nominations shall be made at the regular scheduled meeting in July.

C. Election Procedures

1. Nominations

a) Nominations Committee

A nomination sub-committee shall be appointed, with the immediate past chairperson of the ARRC as chairperson, or in the event of their unavailability, the previous past chairperson. If no past chairperson is available, the Executive Committee shall serve as the nominating subcommittee.

b) Floor nominations

Nominations may also be made from the floor at the nominations meeting. Nominees must be present at this meeting and have the commitment of their sponsor to fully participate.

2. Election Rules

The election shall be conducted openly, with a majority of ARRC quorum member votes required for election.

ARTICLE IV - OPERATING RULES OF THE ARRC

A. Meetings

Regular meetings of the ARRC shall be scheduled in coordination with the scheduled meetings of the Arizona APCO, Inc. chapter. In addition, two semi-annual meetings scheduled in conjunction with Arizona APCO shall be designated as "Open Public Meetings" with open participation from the public safety community. Each public safety entity shall be apportioned one vote at each open, public meeting. Designated alternatives and representatives shall be identified prior to the meeting.

B. Conduct of Meetings

1. Presiding

Meetings shall be conducted at the appointed time and place by the Chairperson, or in their absence, the Vice-Chairperson, or in their absence, the Secretary/Treasurer.

2. Procedural

Meetings shall be conducted according to Robert's Rules of Order.

3. Agenda

As a minimum, a financial statement shall be read to the membership, and subcommittee reports presented. Applications for NPSPAC frequencies which have been previously reviewed and approved by the appropriate subcommittees shall be voted upon, and approved by a two-thirds vote of the quorum present.

4. Quorum

The ARRC may conduct business at any publicized, scheduled meeting, with a quorum consisting of a minimum of six members present, which shall include at least one officer. Voting by proxy, with written authorization, shall be permitted.

5. Voting via Telecommunications

In special situations relating to license applications, vote by telephone and confirmed by fax or e-mail may be made provided ALL members are contacted by voice and fax or e-mail, and given a chance to respond with a vote. A two-thirds vote of all members is required for approval of the issue. Results of the telephone/fax/e-mail vote must be recorded in the minutes of the following meeting.

ARTICLE V - EXECUTIVE COMMITTEE

A. Composition

The Executive Committee, to be known as the "Excomm", shall consist of the current Chairperson, Vice-Chairperson, Secretary/Treasurer, and immediate past Chairperson. Subcommittee chairpersons may be asked to attend meetings of the Excomm as required.

B. Meetings

Meetings shall be called a minimum of three times annually for the purpose of conducting business of the ARRC, and for review of subcommittee operations and work. The meetings shall be called and scheduled by the ARRC chairperson.

ARTICLE VI - SUBCOMMITTEES

A. Composition of Standing Subcommittees

There shall be five (5)-standing subcommittees of the ARRC. These shall include:

1. 800 MHz NPSPAC Application Review
2. VHF/UHF/800 MHz Frequency Reassignment
3. Bylaw Review
4. Nomination Recommendations (See Article III.D.1.a)
5. Regional/Interregional Interoperability Coordination

B. 800 MHz NPSPAC Application Subcommittee

1. Function

The NPSPAC Application Subcommittee shall meet at least monthly if applications are pending. The subcommittee shall make recommendations on applications in a timely manner to the ARRC for voting upon at the next regularly scheduled ARRC meeting. Evaluations shall be performed in a manner consistent with the criteria established in the Arizona Regional Public Safety Plan (ARPSP), as amended.

2. Necessary Delays

Application evaluations may be delayed if, in the subcommittee's opinion, insufficient information was provided to make a determination. In such case, the subcommittee chairperson shall draft a letter to the applicant within ten (10) days of the initial subcommittee review, of the insufficiency, and shall request specific information necessary to make a determination. If such requested information is not provided within thirty (30) days of the mailing of such letter, the application shall be deemed defective, and returned to the applicant. Approval recommendations shall require a unanimous vote of the subcommittee members present at the evaluation meeting. Rejection of an application may be appealed within forty-five (45) days as per paragraph 7.7 of the ARPSP.

3. Mixed Frequency Applications

The subcommittee shall return applications for systems requiring both NPSPAC and non-NPSPAC frequencies with the suggestion that the applicant request only NPSPAC frequencies. The subcommittee shall actively work with the applicant agency to create a system utilizing NPSPAC frequencies.

4. Conflict of Interest

Any ARRC member shall be disqualified from evaluating and/or voting on an application submitted by their sponsor political subdivision, or non-political entity. In this case, the member-applicant shall act only as an advisor, providing necessary information upon which to make a recommendation, and shall not be considered a member of the subcommittee or the ARRC for voting purposes.

4. Approval

Recommendation of the subcommittee shall be voted upon at the next regularly scheduled meeting of the ARRC, and shall be approved with a two-thirds vote of the quorum.

C. VHF/UHF/800 MHz Frequency Reassignment Subcommittee

1. Function

This subcommittee shall meet at least monthly if applications for "give back" frequencies are pending. The subcommittee shall keep a chronological listing of agency requests for "give back" channels. A statement of need shall accompany each request for channels. A separate list shall be maintained for each primary public safety frequency band.

2. Evaluations

The subcommittee shall evaluate such applications on their merits, in conformance with the ARPSP, and make a recommendation in a timely manner to the ARRC when frequencies become available. Where there are multiple applications with relatively equal merit, the subcommittee shall give preference to the longest standing application.

3. Necessary Delays

Recommendations from the Subcommittee to the ARRC may be delayed if there is insufficient data submitted to make a determination. The same procedure shall be followed as in Article VI.B.2. If insufficient information is forthcoming, an application for a "give back" channel may be dismissed and returned to the applicant.

4. Conflict of Interest

Any ARRC member shall be disqualified from evaluating and/or voting on an application submitted by their sponsor political subdivision, or non-political entity. In this case, the member-applicant shall act only as an advisor, providing necessary information upon which to make a recommendation, and shall not be considered a member of the subcommittee or the ARRC for voting purposes.

5. Approval

Recommendation for approval by the subcommittee shall be unanimous, and shall be voted upon at the next regularly scheduled meeting of the ARRC, and shall be approved by a two-thirds vote of the quorum.

D. Bylaw Review Subcommittee

The Bylaw Review Subcommittee shall meet at least semi-annually to review any needed changes to the Bylaws, and draft such changes for presentation to the Excomm.

E. Nominations Recommendation Subcommittee

The Nominations Recommendation Subcommittee shall meet annually prior to the nominations meeting for Excomm officers, and shall present a selected slate of candidates as nominees for Chairperson, Vice-Chairperson, and Secretary/Treasurer to the ARRC membership at the nominations meeting.

F. Regional/Interregional interoperability Subcommittee

1. Meetings

The Regional/Interregional interoperability Subcommittee shall meet monthly, if there is an application for NPSPAC channels pending.

2. Common Calling/Interoperability Recommendations

The subcommittee shall make a recommendation as to whether an applicant should be required to place in service "Common Calling" and/or "Interoperability" stations as a condition of application approval. Specific recommendations shall be made in writing to the ARRC Chairperson. Such recommendation shall be made a part of the final vote by the ARRC for approval of a NPSPAC application.

3. License Monitoring

The subcommittee shall monitor licensing activity in surrounding regions to ensure compatibility of frequency usage, and coordinate "Common Calling" and "Interoperability" installation and monitoring.

4. Border Compatibility

The subcommittee shall also monitor FCC Regulations and coordinate with the nation of Mexico to ensure compatibility of channel usage and "Common Calling" and "Interoperability" along the U.S./Arizona and Mexico border.

G. Subcommittee Chairpersons

The chairpersons of the standing subcommittees shall be appointed by the ARRC Chairperson, with concurrence of the majority of the Excomm present at a scheduled Executive Committee meeting.

H. Membership

There shall be a minimum of three (3) members on the "800 MHz NPSPAC Application Review" and "VHF/UHF/800 MHz Frequency Reassignment" standing subcommittees, including the chairperson. Other subcommittees shall consist of a chairperson and any other members the chairperson deems appropriate. Members of all standing committees may be chosen by the subcommittee chairperson, with the approval of the ARRC chairperson.

A minimum of two (2) members of the "800 MHz NPSPAC Application Review" and "VHF/UHF/800 MHz Frequency Reassignment" subcommittee, including the chairperson, are required to be in attendance at those subcommittee meetings. This shall constitute a quorum for those subcommittees.

I. Ad-Hoc Subcommittees

1. Ad-Hoc Subcommittee Creation

Ad-Hoc subcommittees may be created at any time for such purpose as the Excomm deems necessary. Ad-Hoc subcommittees shall be appointed for a specific time period, but not to exceed one year in duration.

2. Composition

Ad-Hoc subcommittee chairpersons shall be appointed by the ARRC chairperson, with the consent of a majority of the Excomm present at a regularly scheduled meeting. An Ad-Hoc subcommittee may consist of any number of members.

ARTICLE VII - FUNDING

A. Funding Sources

The ARRC shall derive its funding indirectly from fees collected from applicants, distributed through the Arizona Chapter of APCO, Inc. In the event that such funding is not available, or is insufficient for the ARRC to carry out its assigned function, voluntary contributions may be requested from pending applications desiring assignment of frequencies.

Arizona APCO, Inc. has pledged to fund the ARRC up to \$300 per fiscal year. Funds will be made available to the Secretary/Treasurer as needed by the APCO Treasurer.

B. Unavailability of Funding

Should there be an insufficiency of funds to carry out the functions of the ARRC, all applications pending shall be submitted to APCO without a recommendation and operations of the ARRC shall cease until adequate funding becomes available.

ARTICLE VIII - MODIFICATION OF BYLAWS

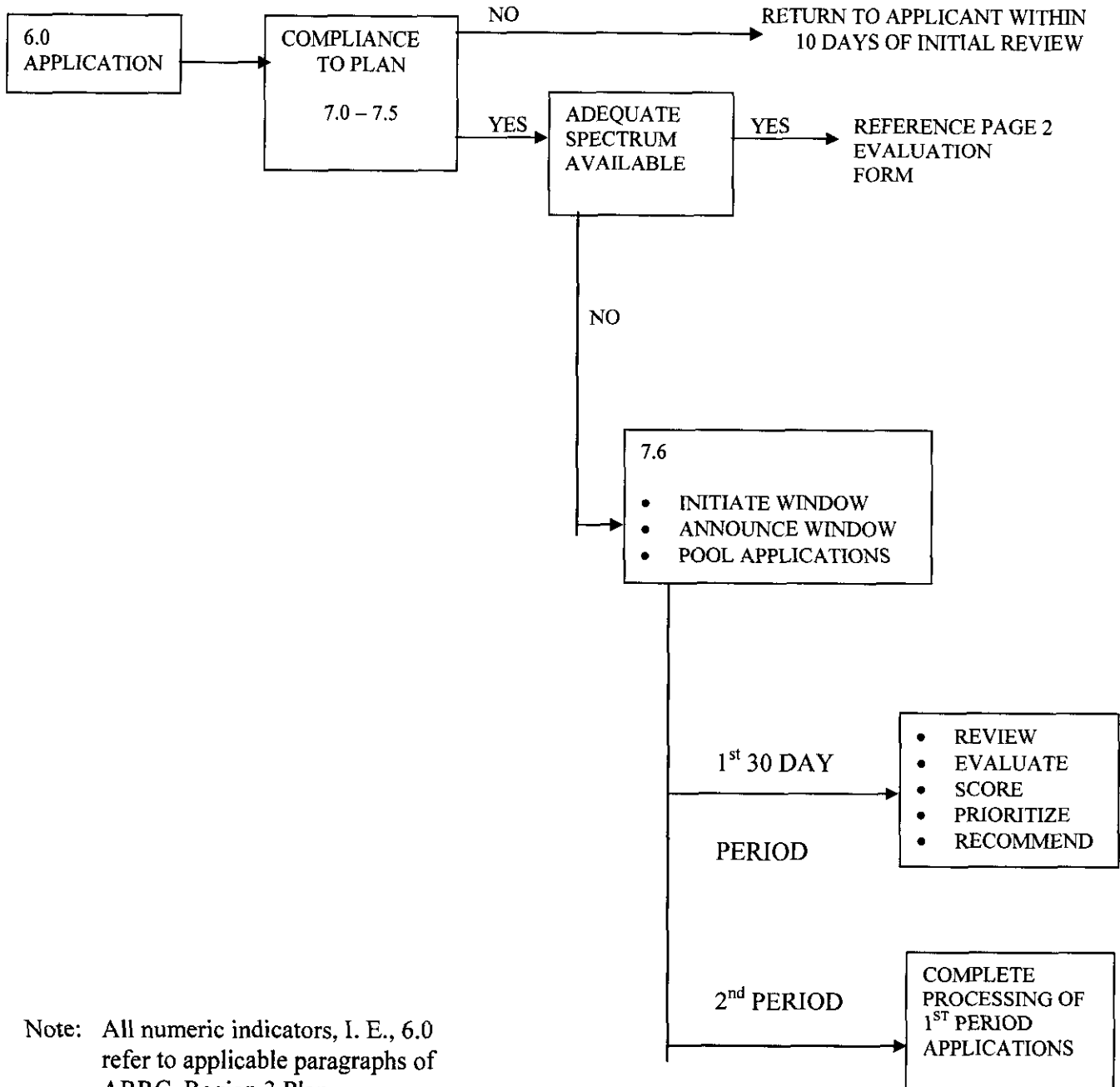
These Bylaws may be modified upon a two-thirds vote of the ARRC. Written copies of the proposed Bylaw amendment shall be presented to all ARRC members at least thirty (30) days prior to the next regularly scheduled meeting. A statement of recommendation, including both a majority and minority report if necessary, from the Excomm, shall be included with the mailing.

Voting on the proposed amendment shall take place at the next regularly scheduled meeting, provided a quorum is present. The Bylaw amendment shall become effective on the first day of the following month.

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APPENDIX III - NPSPAC APPLICATION PROCEDURE

800 MHz NPSPAC APPLICATION PROCEDURE



Note: All numeric indicators, I. E., 6.0 refer to applicable paragraphs of ARRC, Region 3 Plan.

EVALUATION FORM

Agency: _____

Date Received: _____

Date Reviewed: _____

Date Approved: _____

ARRC Chairperson: _____

EVALUATION FORM PAGE 2

RECOMMENDED APPROVAL TO ARRC:

- ☐ Regional inter-operability concur (4.0)
- ☐ Eligible for Arizona Channel 6 Common Calling Channel (4.5)
- ☐ Inter-regional inter-operability concur (5.0)
- ☐ Applicable coordination forms (6.0, 1)

SYSTEM DESIGN INFORMATION (6.0, 2)

- ☐ Antenna height and power (9.1)
- ☐ Definition of service area (9.2)
- ☐ Calculation of service area (9.3)
- ☐ Service area map (9.5)
- ☐ Control station requirements (9.6)
- ☐ Adjacent channel design (9.8)
- ☐ Trunking requirements (9.10)
- ☐ System loading requirements (9.11)

SYSTEM ENGINEERING EXHIBIT (9.12)

- ☐ Transmit output power
- ☐ I/M equipment and losses
- ☐ Transmission lines and losses
- ☐ Antenna model and gain
- ☐ Ground elevation above MSL
- ☐ Antenna centerline AGL
- ☐ HAAT of antenna centerline
- ☐ Effective radiated power
- ☐ Receiver only locations
- ☐ CTCSS coding information
- ☐ Cellular telephone use (9.14)
- ☐ Frequency allocation (9.15)
- ☐ Funding statement (6.0, 3)
- ☐ Proposed implementation schedule (6.0, 4)
- ☐ Justification of number of channels (6.0, 5)
- ☐ Existing frequency statement (6.0, 6)
- ☐ Statement of understanding (6.0, 7)
- ☐ Frequency re-use/givebacks (6.0, 8)
- ☐ Co-channel interference (App V)
- ☐ Adjacent-channel interference (App V)

WHEN LICENSED:

- ☐ Track construction
- ☐ License data and call
- ☐ RFP deadline (12 mo)
- ☐ RFP award (12 mo)
- ☐ System turn-on
- ☐ System acceptance
- ☐ Channel loading (3-5 yrs)

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APPENDIX IV - FREQUENCY ALLOCATION LIST

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Revised 8/07

Channel	Mobile Frequency	Base Frequency	Metro Phoenix User	Non Metro Phoenix User
601	821.0125 MHz	866.0125 MHz	NTL. Calling AIRSAZ	NTL. Calling (AIRSAZ)
602	821.0375 MHz	866.0375 MHz	Arizona 8TAC5	Arizona 8TAC5
603	821.0500 MHz	866.0500 MHz	Guard Band	Guard Band
604	821.0625 MHz	866.0625 MHz	Maricopa Co.	
605	821.0750 MHz	866.0750 MHz	Maricopa Co.	Tucson, Pima Co.
606	821.0875 MHz	866.0875 MHz	Guard Band	Flagstaff
607	821.1000 MHz	866.1000 MHz	CAP	CAP
608	821.1125 MHz	866.1125 MHz	Guard Band	
609	821.1250 MHz	866.1250 MHz	Maricopa Co.	
610	821.1375 MHz	866.1375 MHz	Maricopa Co.	Yuma City, Tucson, Pima Co.
611	821.1500 MHz	866.1500 MHz	Maricopa Co.	
612	821.1625 MHz	866.1625 MHz	Maricopa Co.	Tucson,
613	821.1750 MHz	866.1750 MHz	Maricopa Co.	
614	821.1875 MHz	866.1875 MHz	Maricopa Co.	Tucson
615	821.2000 MHz	866.2000 MHz	Maricopa Co.	
616	821.2125 MHz	866.2125 MHz	Maricopa Co.	Tucson
617	821.2250 MHz	866.2250 MHz	Maricopa Co.	
618	821.2375 MHz	866.2375 MHz	Maricopa Co.	Tucson
619	821.2500 MHz	866.2500 MHz	Maricopa Co.	
620	821.2625 MHz	866.2625 MHz	Maricopa Co.	
621	821.2750 MHz	866.2750 MHz	Maricopa Co.	
622	821.2875 MHz	866.2875 MHz	Maricopa Co.	
623	821.3000 MHz	866.3000 MHz	Maricopa Co.	
624	821.3125 MHz	866.3125 MHz	Maricopa Co. Note 2	Tucson, Pima Co.
625	821.3250 MHz	866.3250 MHz	Maricopa Co.	
626	821.3375 MHz	866.3375 MHz	Maricopa Co.	
627	821.3500 MHz	866.3500 MHz	Maricopa Co.	
628	821.3625 MHz	866.3625 MHz	Maricopa Co.	
629	821.3750 MHz	866.3750 MHz	Guard Band	
630	821.3875 MHz	866.3875 MHz	CAP	CAP
631	821.4000 MHz	866.4000 MHz	Guard Band	
632	821.4125 MHz	866.4125 MHz	CAP	CAP
633	821.4250 MHz	866.4250 MHz	Guard Band	
634	821.4375 MHz	866.4375 MHz	Maricopa Co.	Tucson
635	821.4500 MHz	866.4500 MHz	Maricopa Co.	
636	821.4625 MHz	866.4625 MHz	Maricopa Co. Note 1	Guard Band
637	821.4750 MHz	866.4750 MHz	Guard Band	State of Arizona
638	821.4875 MHz	866.4875 MHz	State of Arizona	Guard Band
639	821.5125 MHz	866.5125 MHz	8TAC1	8TAC1
640	821.5375 MHz	866.5375 MHz	State of Arizona	State of Arizona
641	821.5500 MHz	866.5500 MHz	Guard Band	Guard Band

642	821.5625 MHz	866.5625 MHz	Maricopa Co.	Tucson
643	821.5750 MHz	866.5750 MHz	Maricopa Co.	
644	821.5875 MHz	866.5875 MHz	Maricopa Co.	Tucson
645	821.6000 MHz	866.6000 MHz	Maricopa Co.	Coconino Co.
646	821.6125 MHz	866.6125 MHz	Maricopa Co.	Tucson
647	821.6250 MHz	866.6250 MHz	Maricopa Co. Note 2	
648	821.6375 MHz	866.6375 MHz	Maricopa Co.	
649	821.6500 MHz	866.6500 MHz	Maricopa Co.	
650	821.6625 MHz	866.6625 MHz	Maricopa Co.	
651	821.6750 MHz	866.6750 MHz	Maricopa Co.	Tucson, Pima Co.
652	821.6875 MHz	866.6875 MHz	Maricopa Co.	
653	821.7000 MHz	866.7000 MHz	Maricopa Co.	
654	821.7125 MHz	866.7125 MHz	Maricopa Co.	
655	821.7250 MHz	866.7250 MHz	Maricopa Co.	
656	821.7375 MHz	866.7375 MHz	Maricopa Co.	
657	821.7500 MHz	866.7500 MHz	Maricopa Co.	
658	821.7625 MHz	866.7625 MHz	Maricopa Co.	
659	821.7750 MHz	866.7750 MHz	Maricopa Co.	
660	821.7875 MHz	866.7875 MHz	Maricopa Co.	
661	821.8000 MHz	866.8000 MHz	Maricopa Co.	
662	821.8125 MHz	866.8125 MHz	Maricopa Co.	Tucson
663	821.8250 MHz	866.8250 MHz	Maricopa Co.	
664	821.8375 MHz	866.8375 MHz	Maricopa Co.	
665	821.8500 MHz	866.8500 MHz	Maricopa Co.	
666	821.8625 MHz	866.8625 MHz	Maricopa Co.	Tucson
667	821.8750 MHz	866.8750 MHz	Guard Band	
668	821.8875 MHz	866.8875 MHz	CAP	CAP
669	821.9000 MHz	866.9000 MHz	Guard Band	
670	821.9125 MHz	866.9125 MHz	Phoenix, Mesa Note 3	
671	821.9250 MHz	866.9250 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
672	821.9375 MHz	866.9375 MHz	Phoenix, Mesa Note 3	
673	821.9500 MHz	866.9500 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
674	821.9625 MHz	866.9625 MHz	Phoenix, Mesa Note 3	
675	821.9750 MHz	866.9750 MHz	Phoenix, Mesa Note 3	Guard band
676	821.9875 MHz	866.9875 MHz	Phoenix, Mesa Note 3	State of Arizona
677	822.0125 MHz	867.0125 MHz	8TAC2	8TAC2
678	822.0375 MHz	867.0375 MHz	Phoenix, Mesa Note 3	State of Arizona
679	822.0500 MHz	867.0500 MHz	Phoenix, Mesa Note 3	Guard Band
680	822.0625 MHz	867.0625 MHz	Phoenix, Mesa Note 3	
681	822.0750 MHz	867.0750 MHz	Phoenix, Mesa Note 3	
682	822.0875 MHz	867.0875 MHz	Phoenix, Mesa Note 3	
683	822.1000 MHz	867.1000 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
684	822.1125 MHz	867.1125 MHz	Phoenix, Mesa Note 3	
685	822.1250 MHz	867.1250 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
686	822.1375 MHz	867.1375 MHz	Phoenix, Mesa Note 3	

687	822.1500 MHz	867.1500 MHz	Phoenix, Mesa Note 3	
688	822.1625 MHz	867.1625 MHz	Phoenix, Mesa Note 3	
689	822.1750 MHz	867.1750 MHz	Phoenix, Mesa Note 3	
690	822.1875 MHz	867.1875 MHz	Phoenix, Mesa Note 3	
691	822.2000 MHz	867.2000 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
692	822.2125 MHz	867.2125 MHz	Phoenix, Mesa Note 3	
693	822.2250 MHz	867.2250 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
694	822.2375 MHz	867.2375 MHz	Phoenix, Mesa Note 3	
695	822.2500 MHz	867.2500 MHz	Phoenix, Mesa Note 3	
696	822.2625 MHz	867.2625 MHz	Phoenix, Mesa Note 3	
697	822.2750 MHz	867.2750 MHz	Phoenix, Mesa Note 3	
698	822.2875 MHz	867.2875 MHz	Phoenix, Mesa Note 3	
699	822.3000 MHz	867.3000 MHz	Phoenix, Mesa Note 3	
700	822.3125 MHz	867.3125 MHz	Phoenix, Mesa Note 3	
701	822.3250 MHz	867.3250 MHz	Phoenix, Mesa Note 3	
702	822.3375 MHz	867.3375 MHz	Phoenix, Mesa Note 3	
703	822.3500 MHz	867.3500 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
704	822.3625 MHz	867.3625 MHz	Phoenix, Mesa Note 3	
705	822.3750 MHz	867.3750 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
706	822.3875 MHz	867.3875 MHz	Phoenix, Mesa Note 3	
707	822.4000 MHz	867.4000 MHz	Phoenix, Mesa Note 3	
708	822.4125 MHz	867.4125 MHz	Phoenix, Mesa Note 3	
709	822.4250 MHz	867.4250 MHz	Phoenix, Mesa Note 3	
710	822.4375 MHz	867.4375 MHz	Phoenix, Mesa Note 3	
711	822.4500 MHz	867.4500 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
712	822.4625 MHz	867.4625 MHz	Phoenix, Mesa Note 1, 3	Guard Band
713	822.4750 MHz	867.4750 MHz	Guard Band	State of Arizona
714	822.4875 MHz	867.4875 MHz	State of Arizona	Guard Band
715	822.5125 MHz	867.5125 MHz	8TAC3	8TAC3
716	822.5375 MHz	867.5375 MHz	State of Arizona	State of Arizona
717	822.5500 MHz	867.5500 MHz	Guard Band	Guard Band
718	822.5625 MHz	867.5625 MHz	CAP	CAP
719	822.5750 MHz	867.5750 MHz	Guard Band	
720	822.5875 MHz	867.5875 MHz	Phoenix, Mesa Note 3	
721	822.6000 MHz	867.6000 MHz	Phoenix, Mesa Note 3	
722	822.6125 MHz	867.6125 MHz	Phoenix, Mesa Note 3	
723	822.6250 MHz	867.6250 MHz	Phoenix, Mesa Note 3	
724	822.6375 MHz	867.6375 MHz	Phoenix, Mesa Note 3	
725	822.6500 MHz	867.6500 MHz	Phoenix, Mesa Note 3	
726	822.6625 MHz	867.6625 MHz	Phoenix, Mesa Note 3	
727	822.6750 MHz	867.6750 MHz	Phoenix, Mesa Note 3	
728	822.6875 MHz	867.6875 MHz	Phoenix, Mesa Note 3	
729	822.7000 MHz	867.7000 MHz	Phoenix, Mesa Note 3	
730	822.7125 MHz	867.7125 MHz	Phoenix, Mesa Note 3	

731	822.7250 MHz	867.7250 MHz	Phoenix, Mesa Note 3	
732	822.7375 MHz	867.7375 MHz	Phoenix, Mesa Note 3	
733	822.7500 MHz	867.7500 MHz	Phoenix, Mesa Note 3	
734	822.7625 MHz	867.7625 MHz	Phoenix, Mesa Note 3	
735	822.7750 MHz	867.7750 MHz	Phoenix, Mesa Note 3	
736	822.7875 MHz	867.7875 MHz	Phoenix, Mesa Note 3	
737	822.8000 MHz	867.8000 MHz	Phoenix, Mesa Note 3	
738	822.8125 MHz	867.8125 MHz	Phoenix, Mesa Note 3	
739	822.8250 MHz	867.8250 MHz	Phoenix, Mesa Note 3	
740	822.8375 MHz	867.8375 MHz	Phoenix, Mesa Note 3	
741	822.8500 MHz	867.8500 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
742	822.8625 MHz	867.8625 MHz	Phoenix, Mesa Note 3	
743	822.8750 MHz	867.8750 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
744	822.8875 MHz	867.8875 MHz	Phoenix, Mesa Note 3	
745	822.9000 MHz	867.9000 MHz	Phoenix, Mesa Note 3	
746	822.9125 MHz	867.9125 MHz	Phoenix, Mesa Note 3	
747	822.9250 MHz	867.9250 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
748	822.9375 MHz	867.9375 MHz	Phoenix, Mesa Note 3	
749	822.9500 MHz	867.9500 MHz	Phoenix, Mesa Note 3	
750	822.9625 MHz	867.9625 MHz	Phoenix, Mesa Note 3	
751	822.9750 MHz	867.9750 MHz	Phoenix, Mesa Note 3	Guard Band
752	822.9875 MHz	867.9875 MHz	Phoenix, Mesa Note 3	State of Arizona
753	823.0125 MHz	868.0125 MHz	8TAC4	8TAC4
754	823.0375 MHz	868.0375 MHz	Phoenix, Mesa Note 3	State of Arizona
755	823.0500 MHz	868.0500 MHz	Phoenix, Mesa Note 3	Guard Band
756	823.0625 MHz	868.0625 MHz	Phoenix, Mesa Note 3	
757	823.0750 MHz	868.0750 MHz	Phoenix, Mesa Note 3	
758	823.0875 MHz	868.0875 MHz	Phoenix, Mesa Note 3	
759	823.1000 MHz	868.1000 MHz	Guard Band	
760	823.1125 MHz	868.1125 MHz	CAP	CAP
761	823.1250 MHz	868.1250 MHz	Guard Band	
762	823.1375 MHz	868.1375 MHz	Phoenix, Mesa Note 3	
763	823.1500 MHz	868.1500 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
764	823.1625 MHz	868.1625 MHz	Phoenix, Mesa Note 3	
765	823.1750 MHz	868.1750 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
766	823.1875 MHz	868.1875 MHz	Phoenix, Mesa Note 3	
767	823.2000 MHz	868.2000 MHz	Phoenix, Mesa Note 2, 3	Tucson, Pima Co.
768	823.2125 MHz	868.2125 MHz	Phoenix, Mesa Note 3	
769	823.2250 MHz	868.2250 MHz	Phoenix, Mesa Note 3	
770	823.2375 MHz	868.2375 MHz	Phoenix, Mesa Note 3	
771	823.2500 MHz	868.2500 MHz	Phoenix, Mesa Note 3	
772	823.2625 MHz	868.2625 MHz	Phoenix, Mesa Note 3	
773	823.2750 MHz	868.2750 MHz	Phoenix, Mesa Note 3	
774	823.2875 MHz	868.2875 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.

775	823.3000 MHz	868.3000 MHz	Phoenix, Mesa Note 3	
776	823.3125 MHz	868.3125 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
777	823.3250 MHz	868.3250 MHz	Phoenix, Mesa Note 3	
778	823.3375 MHz	868.3375 MHz	Phoenix, Mesa Note 3	
779	823.3500 MHz	868.3500 MHz	Phoenix, Mesa Note 3	
780	823.3625 MHz	868.3625 MHz	Phoenix, Mesa Note 3	Coconino
781	823.3750 MHz	868.3750 MHz	Phoenix, Mesa Note 3	Tucson
782	823.3875 MHz	868.3875 MHz	Phoenix, Mesa Note 3	
783	823.4000 MHz	868.4000 MHz	Phoenix, Mesa Note 3	
784	823.4125 MHz	868.4125 MHz	Phoenix, Mesa Note 3	
785	823.4250 MHz	868.4250 MHz	Phoenix, Mesa Note 3	Tucson
786	823.4375 MHz	868.4375 MHz	Phoenix, Mesa Note 3	
787	823.4500 MHz	868.4500 MHz	Phoenix, Mesa Note 2, 3	Tucson, Pima Co.
788	823.4625 MHz	868.4625 MHz	Phoenix, Mesa Note 3	
789	823.4750 MHz	868.4750 MHz	Phoenix, Mesa Note 3	
790	823.4875 MHz	868.4875 MHz	Phoenix, Mesa Note 3	
791	823.5000 MHz	868.5000 MHz	Phoenix, Mesa Note 3	
792	823.5125 MHz	868.5125 MHz	Phoenix, Mesa Note 3	
793	823.5250 MHz	868.5250 MHz	Phoenix, Mesa Note 3	
794	823.5375 MHz	868.5375 MHz	Phoenix, Mesa Note 3	Tucson
795	823.5500 MHz	868.5500 MHz	Guard Band	
796	823.5625 MHz	868.5625 MHz	CAP	CAP
797	823.5750 MHz	868.5750 MHz	Guard Band	
798	823.5875 MHz	868.5875 MHz	Guard Band	
799	823.6000 MHz	868.6000 MHz	CAP	CAP
800	823.6125 MHz	868.6125 MHz	Guard Band	
801	823.6250 MHz	868.6250 MHz	Phoenix, Mesa Note 3	Tucson
802	823.6375 MHz	868.6375 MHz	Phoenix, Mesa Note 3	
803	823.6500 MHz	868.6500 MHz	Phoenix, Mesa Note 3	Tucson, Yuma City
804	823.6625 MHz	868.6625 MHz	Phoenix, Mesa Note 3	
805	823.6750 MHz	868.6750 MHz	Phoenix, Mesa Note 3	Tucson, Flagstaff, Yuma City
806	823.6875 MHz	868.6875 MHz	Phoenix, Mesa Note 3	
807	823.7000 MHz	868.7000 MHz	Phoenix, Mesa Note 3	
808	823.7125 MHz	868.7125 MHz	Phoenix, Mesa Note 2, 3	Tucson, Pima Co.
809	823.7250 MHz	868.7250 MHz	Phoenix, Mesa Note 3	
810	823.7375 MHz	868.7375 MHz	Phoenix, Mesa Note 3	Tucson, Pima Co.
811	823.7500 MHz	868.7500 MHz	Guard Band	
812	823.7625 MHz	868.7625 MHz	Maricopa Co.	
813	823.7750 MHz	868.7750 MHz	Maricopa Co.	
814	823.7875 MHz	868.7875 MHz	Maricopa Co.	Tucson, Pima Co.
815	823.8000 MHz	868.8000 MHz	Maricopa Co.	
816	823.8125 MHz	868.8125 MHz	Maricopa Co.	
817	823.8250 MHz	868.8250 MHz	Maricopa Co.	

818	823.8375 MHz	868.8375 MHz	Maricopa Co.	
819	823.8500 MHz	868.8500 MHz	Maricopa Co.	Tucson
820	823.8625 MHz	868.8625 MHz	Maricopa Co.	
821	823.8750 MHz	868.8750 MHz	Maricopa Co.	Tucson, Yuma City
822	823.8875 MHz	868.8875 MHz	Maricopa Co.	
823	823.9000 MHz	868.9000 MHz	Maricopa Co.	Tucson, Yuma City
824	823.9125 MHz	868.9125 MHz	Maricopa Co.	
825	823.9250 MHz	868.9250 MHz	Maricopa Co.	Tucson, Flagstaff
826	823.9375 MHz	868.9375 MHz	Maricopa Co.	
827	823.9500 MHz	868.9500 MHz	Maricopa Co.	
828	823.9625 MHz	868.9625 MHz	Guard Band	Guard Band
829	823.9750 MHz	868.9750 MHz	State of Arizona	State of Arizona
830	823.9875 MHz	868.9875 MHz	Guard Band	Guard Band

Notes:

Note 1: These channels will require specific coordination with the State of Arizona.

Note 2: Channels 624, 647, 767, 787, and 808 were allocated to Scottsdale. Their 5 channels are incorporated in the allocations for Maricopa County by an agreement with Maricopa County.

Note 3: The proposed Phoenix/Mesa allocation is to be considered a design pool, which includes the existing Phoenix MDT system and the new P25 trunked radio network. The participants in the P25 trunked radio network will include (but is not limited to): Phoenix, Mesa, Glendale, Peoria, Tempe, Goodyear, Apache Junction, Gilbert, Salt River, Gila River, Avondale, El Mirage, Guadalupe, Laveen, Daisey Mtn., Surprise, Tolleson, The Sun Cities, Sun Lakes, and Buckeye.

Allocated Channels by User

PHOENIX/MESA

670	671	672	673	674	675	676	678	679	680	681	682
683	684	685	686	687	688	689	690	691	692	693	694
695	696	697	698	699	700	701	702	703	704	705	706
707	708	709	710	711	712	720	721	722	723	724	725
726	727	728	729	730	731	732	733	734	735	736	737
738	739	740	741	742	743	744	745	746	747	748	749
750	751	752	754	755	756	757	758	762	763	764	765
766	767	768	769	770	771	772	773	774	775	776	777
778	779	780	781	782	783	784	785	786	787	788	789
790	791	792	793	794	801	802	803	804	805	806	807
808	809	810									

TUCSON

605	610	612	614	616	618	624	634	642	644	646	651
662	666	671	673	683	685	691	693	703	705	711	741

743	747	763	765	767	774	776	781	785	787	794	801
803	805	808	810	814	819	821	823	825			

FLAGSTAFF

606	805	825
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YUMA CITY

610	803	805	821	823
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COCONINO

612	645	780
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MARICOPA COUNTY

604	605	609	610	611	612	613	614	615	616	617	618
619	620	621	622	623	624	625	626	627	628	634	635
636	642	643	644	645	646	647	648	6449	650	651	652
653	654	655	656	657	658	659	660	661	662	663	664
665	666	812	813	814	815	816	817	818	819	820	821
822	823	824	825	826	827						

PIMA

605	610	624	651	671	673	683	685	691	693	703	705
711	741	743	747	763	765	767	774	776	787	808	810
814											

CAWCD (CAP)

607	630	632	668	718	760	796	799
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STATE OF ARIZONA

637	638	640	713	714	716	829
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NOT ASSIGNABLE

603 641 717 828 830

APPENDIX V - PROCEDURE FOR DETERMINING SERVICE AREA

1. Convert proposed BASE STATION power ERP to dB below 1 kW ERP.
2. Subtract value in step 1 from 41 dBu.
3. In look-up table 1 determine the two- (2) height columns that correspond most closely to proposed BASE STATION H.A.A.T.
4. Interpolate between the listings under the two- (2) columns to determine where the value in step 2 falls.
5. Read the mileage from the "MILES" column. This is the radius of the proposed service area.

EXAMPLE

The service area of a 100-watt ERP station with an antenna height above average terrain of 450 feet would be calculated as follows:

$$\begin{aligned} P \text{ (dBk)} &= 10 \times \log (100) - 30 \\ &= 10 \times 2 - 30 \\ &= -10 \end{aligned}$$

$$\begin{aligned} F \text{ (dBu)} &= 41 - (-10) \\ &= 51 \text{ dBu} \end{aligned}$$

From the look-up tables, 51 falls between 50.5 in the 400 ft. column and 52.9 in the 500 ft. column. The corresponding mileage would be 12.

INTERFERENCE PROTECTION

1. Convert proposed BASE STATION ERP to dB below 1 kW ERP.
2. Subtract value in step 1 from 16 dBu.
3. In look-up table 2 determine the two (2) height columns that correspond most closely to the proposed BASE STATION H.A.A.T.
4. Interpolate between the listings under the two- (2) columns to determine where the value in step 2 falls.

5. Read the mileage from the column "MILES". This value is the minimum distance between the proposed BASE STATION and the nearest point of another co-channel service area. (Service area may be obtained from the co-channel user or by calculations used in "PROCEDURE FOR DETERMINING SERVICE AREA".)

ADJACENT CHANNEL INTERFERENCE PROTECTION

1. Convert proposed BASE STATION ERP to dB below 1 kW ERP.
2. Subtract value in step 1 from 26 dBu.
3. In look-up table 2 determine the two (2) height columns that correspond most closely to the proposed BASE STATION H.A.A.T.
4. Interpolate between the two listings to determine where the value in step 2 falls.
5. Read the mileage from the "MILES" column. This value is the minimum distance between the proposed BASE STATION and the nearest point of the adjacent channel service area.

LOOK UP TABLE 1

	UHF F(50,50)					dBu/kW ERP				
MILES	100'	200'	300'	400'	500'	600'	700'	800'	900'	1000'
5	60.8	66.0	68.3	70.6	72.9	74.1	75.3	76.6	77.8	79.0
6	56.9	61.7	64.0	66.4	68.7	69.9	71.1	72.2	73.4	74.6
7	53.4	58.2	60.5	62.8	65.1	66.3	67.5	68.6	69.8	71.0
8	50.2	55.1	57.4	59.7	62.0	63.2	64.4	65.6	66.8	68.0
9	47.4	52.4	54.7	57.1	59.4	60.9	61.8	63.0	64.2	65.4
10	44.8	49.9	52.3	54.6	57.0	58.2	59.4	60.7	61.9	63.1
11	42.4	47.7	50.1	52.5	54.9	56.1	57.3	58.5	59.7	60.9
12	40.2	45.6	48.0	50.5	52.9	54.1	55.3	56.6	57.8	59.0
13	38.2	43.7	46.2	48.6	51.1	52.3	53.5	54.8	56.0	57.2
14	36.2	41.9	44.4	47.0	49.5	50.7	51.9	53.0	54.2	55.4
15	34.6	40.1	42.7	45.3	47.9	49.1	50.3	51.4	52.6	53.8
16	33.0	38.5	41.1	43.7	46.3	47.5	48.7	49.8	51.0	52.2
17	31.5	37.0	39.6	42.3	44.9	46.1	47.2	48.4	49.5	50.7
18	30.0	35.6	38.2	40.9	43.5	44.6	45.8	46.9	48.1	49.2
19	28.7	34.3	36.9	39.5	42.1	43.3	44.4	45.6	46.7	47.9
20	27.5	33.0	35.6	38.2	40.8	41.9	43.1	44.2	45.4	46.5
21	26.4	31.7	34.3	36.9	39.5	40.7	41.8	43.0	44.1	45.3
22	25.3	30.6	33.2	35.7	38.3	39.5	40.6	41.8	42.9	44.1
23	24.3	29.5	32.0	34.6	37.1	38.3	39.4	40.6	41.7	42.9
24	23.3	28.4	30.9	33.4	35.9	37.1	38.3	39.4	40.6	41.8
25	22.4	27.4	29.9	32.3	34.8	36.0	37.2	38.3	39.5	40.7
26	21.5	26.4	28.9	31.3	33.8	35.0	36.2	37.3	38.5	39.7
27	20.7	25.4	27.8	30.3	32.7	33.9	35.1	36.3	37.5	38.7
28	19.9	24.5	26.9	29.3	31.7	32.9	34.1	35.3	36.5	37.7
29	19.1	23.6	26.0	28.3	30.7	31.9	33.1	34.4	35.6	36.8
30	18.4	22.7	25.1	27.4	29.8	31.0	32.2	33.5	34.7	35.9

REFERENCE:

BASE ON 50% OF THE SIGNALS FALLING INTO THE CHARTED SIGNAL LEVELS 50% OF THE TIME AT THE DISTANCES LISTED.

HARMFUL INTERFERENCE - LOOK UP TABLE II**UHF F (50,10)****dBu/KW ERP**

MILES	100'	200'	300'	400'	500'	600'	700'	800'	900'	1000'
10	43.8	50.1	52.5	54.9	57.4	58.6	59.8	61.0	62.2	63.3
11	41.7	47.6	50.1	52.5	54.9	56.2	57.5	58.7	60.0	61.2
12	39.6	45.8	48.4	51.0	53.6	54.7	55.8	56.9	58.0	59.2
13	37.4	43.4	46.2	49.0	51.8	52.9	54.0	55.2	56.3	57.4
14	35.7	42.0	44.7	47.4	50.1	51.2	52.4	53.6	54.8	56.0
15	33.9	40.3	42.8	45.4	47.9	49.2	50.5	51.7	53.0	54.3
16	32.2	38.5	41.2	43.9	46.6	47.7	48.9	50.1	51.3	52.5
17	31.2	37.1	39.8	42.5	45.2	46.3	47.5	48.7	49.9	51.1
18	29.7	35.7	38.3	40.8	43.4	44.7	46.1	47.4	48.7	50.1
19	28.7	34.7	37.2	39.8	42.3	43.6	44.9	46.1	47.4	48.7
20	27.7	33.3	35.7	38.2	40.6	41.9	43.3	44.6	45.9	47.3
21	27.0	32.2	34.5	36.9	39.2	40.5	41.9	43.2	44.5	45.8
22	25.9	30.8	33.3	35.7	38.2	39.4	40.7	41.9	43.2	44.4
23	25.2	29.7	32.1	34.4	36.8	38.1	39.4	40.7	42.1	43.4
24	24.5	29.0	31.3	33.5	35.7	37.0	38.4	39.7	41.0	42.3
25	23.8	28.0	30.2	32.4	34.7	36.0	37.3	38.6	40.0	41.3
26	23.1	27.3	29.4	31.5	33.6	34.9	36.3	37.6	38.9	40.3
27	22.4	26.3	28.5	30.7	32.9	34.2	35.4	36.7	37.9	39.2
28	21.7	25.5	27.5	29.5	31.5	32.8	34.2	35.5	36.8	38.2
29	21.0	24.8	26.8	28.8	30.8	32.1	33.3	34.6	35.8	37.1
30	20.3	24.2	26.0	27.9	29.7	31.0	32.3	33.5	34.8	36.1
31	19.6	23.5	25.3	27.2	29.0	30.3	31.6	32.8	34.1	35.3
32	19.1	22.8	24.6	26.5	28.3	29.5	30.7	31.9	33.1	34.1
33	18.5	22.6	24.3	26.0	27.7	28.8	29.9	31.0	32.1	33.3
34	18.0	21.7	23.5	25.2	27.0	28.1	29.2	30.3	31.4	32.6
35	17.5	21.2	22.9	24.6	26.3	27.4	28.5	29.6	30.7	31.8
36	17.2	20.7	22.3	23.9	25.5	26.7	27.8	28.9	30.0	31.2
37	16.8	20.3	21.9	23.6	25.2	26.3	27.3	28.3	29.4	30.5
38	16.5	19.6	21.2	22.9	24.5	25.6	26.6	27.7	28.7	29.7
39	16.1	19.3	20.7	22.0	23.5	24.5	25.6	26.6	27.7	28.7
40	15.7	18.9	20.3	21.7	23.1	24.2	25.2	26.2	27.3	28.3
41	15.4	18.2	19.7	21.2	22.8	23.7	24.7	25.7	26.7	27.7
42	15.0	17.8	19.3	20.7	22.0	23.0	24.0	25.0	26.0	27.0
43	14.7	17.5	18.9	20.3	21.7	22.6	23.5	24.4	25.3	26.3

HARMFUL INTERFERENCE - LOOK UP TABLE II (Cont.)

MILES	100'	200'	300'	400'	500'	600'	700'	800'	900'	1000'
44	14.4	17.2	18.4	19.7	21.0	21.9	22.8	23.7	24.6	25.5
45	14.0	16.8	18.1	19.4	20.7	21.6	22.5	23.4	24.3	25.2
46	13.6	16.1	17.4	18.7	20.0	20.9	21.8	22.7	23.6	24.5
47	13.3	15.4	16.6	17.7	18.9	19.8	20.7	21.6	22.5	23.5
48	13.0	15.4	16.6	17.7	18.9	19.8	20.7	21.6	22.5	23.5
49	12.6	15.0	16.3	17.5	18.7	19.5	20.3	21.1	21.9	22.8
50	12.3	14.7	15.9	17.0	18.2	19.0	19.9	20.7	21.6	22.4
51	11.9	14.4	15.5	16.7	17.8	18.6	19.4	20.2	20.9	21.7
52	11.5	14.0	15.0	16.1	17.2	18.0	18.8	19.7	20.5	21.3
53	11.2	13.5	14.6	15.7	16.8	17.6	18.5	19.3	20.2	21.0
54	10.9	13.0	14.1	15.3	16.5	17.2	18.0	18.8	19.5	20.3
55	10.5	12.6	13.6	14.7	15.7	16.6	17.4	18.3	19.1	20.0
56	10.1	12.4	13.4	14.4	15.4	16.2	17.0	17.8	18.6	19.4
57	9.8	11.9	13.0	14.0	15.0	15.8	16.6	17.4	18.1	18.9
58	9.5	11.5	12.6	13.6	14.7	15.5	16.2	17.0	17.8	18.5
59	9.1	11.2	12.3	13.3	14.4	15.1	15.9	16.7	17.4	18.2
60	8.8	10.9	11.9	13.0	14.0	14.8	15.5	16.3	17.1	17.8
61	8.4	10.5	11.4	12.4	13.3	14.1	14.8	15.6	16.4	17.2
62	8.0	10.1	11.1	12.0	13.0	13.6	14.4	15.0	15.8	16.5
63	7.7	9.8	10.7	11.7	12.6	13.3	14.0	14.7	15.4	16.1
64	7.4	9.5	10.4	11.3	12.3	13.0	13.6	14.4	15.0	15.7
65	7.0	9.1	10.0	11.0	11.9	12.6	13.3	14.0	14.7	15.4
66	6.6	8.8	9.7	10.6	11.5	12.2	13.0	13.6	14.4	15.0
67	6.3	8.4	9.3	10.3	11.2	11.9	12.6	13.3	14.0	14.7
68	5.9	8.0	9.0	9.9	10.9	11.5	12.3	13.0	13.7	14.4
69	5.6	7.7	8.6	9.6	10.5	11.2	11.9	12.6	13.3	14.0
70	5.3	7.4	8.3	9.2	10.1	10.8	11.5	12.2	13.0	13.6

REFERENCE:

BASE ON 50% OF THE SIGNALS FALLING INTO THE CHARTED SIGNAL LEVELS 10% OF THE TIME AT THE DISTANCES LISTED.

APPENDIX VI - ADJACENT REGION CONCURRENCE

(Copies of concurrence letters are available through the ARRC)

APPENDIX VII - CELLULAR NOTIFICATIONS

(Copies of concurrence letters are available through the ARRC)

APPENDIX VIII - INTERAGENCY RADIO SYSTEM PLAN

See Arizona Public Safety Communications Advisory Commission, State Interoperability Executive Committee for latest version of statewide interoperability plan



PUBLIC NOTICE

Federal Communications Commission
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Washington, D.C. 20554

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DA 01-2222

WIRELESS TELECOM ACTION

October 15, 2001

ARIZONA (REGION 3) PUBLIC SAFETY COMMITTEE RECEIVES APPROVAL FOR MINOR AMENDMENT TO ITS REGIONAL PUBLIC SAFETY PLAN

(PR DOCKET NO. 91-143)

By this notice, a minor amendment to the Region 3 Public Safety Radio Plan (Region 3 Plan) that revises the current channel allotments for radio frequencies in the 821-824/866-869 MHz bands within the state of Arizona is approved. The amendment includes a revision of the allocation of 800 MHz frequencies to accommodate both current, wideband analog users and new, narrowband digital users. This amendment provides additional channels for users in Maricopa County, while assuring that there are no harmful effects to other Arizona users. With the exception of the relocation of Arizona Mutual Aid Channel 6, there are no changes outside of Maricopa County.

The amendment separates the channel allocations in Maricopa County into three segments.

- 16 kHz analog channels at the low and high end of the allocated channels for use in the Maricopa County network.
- 12.5 kHz digital channels in the middle of the allocated channels for use in the Phoenix-Mesa metropolitan area.
- Mutual aid channels.

On July 26, 2001, the Commission issued a Public Notice (DA 01-1738) inviting interested parties to file comments regarding a proposed amendment to the Region 3 Plan that was filed with the Commission on May 25, 2001. We have reviewed the Region 3 request and find that it furthers the Region's spectrum planning and management capability. Further, we have received no comments in response to the Public Notice of July 26, 2001. The amendment request includes concurrences from each of the adjacent Regions 5 (Southern California), 7 (Colorado), 27 (Nevada), 29 (New Mexico), and 41 (Utah). The amendment, is therefore, accepted and approved as submitted. The Secretary's office will place the amended Region 3 Plan in the official docket file where it will remain available to the public.

Version August 14, 2007

In accordance with the Public Safety National Plan, each region is responsible for planning its use of the public safety radio frequency spectrum in the 821-824-866-869 MHz bands.¹ The Region 3 Plan was originally adopted by the Commission on September 4, 1991,² and was subsequently revised by letter on May 24, 1995, and by Public Notice on November 6, 1998³

Questions regarding this public notice may be directed to Ms. Joy Alford, Wireless Telecommunications Bureau (202) 418-0694, TTY (202) 418-7233.

Action by Chief, Public Safety and Private Wireless Division, Wireless Telecommunications Bureau.

- FCC -

¹ Development and Implementation of a Public Safety National Plan and Amendment of Part 90 to Establish Service Rules and Technical Standards for Use of the 821-824/866-869 MHz Bands by the Public Safety Services, *Report and Order*, GN Docket No. 87-112, 3 FCC Rcd 905 (1987).

² Arizona Region Public Safety Plan, *Order*, Private Radio Docket 91-143, 6 FCC Rcd 5335 (1991).

³ Arizona (Region 3) Public Safety Committee Receives Approval For Minor Amendment To Its Regional Public Safety Plan, *Public Notice*, Private Radio Docket No. 91-143, 13 FCC Rcd 22460 (1998).



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DA 06-573

March 14, 2006

WIRELESS TELECOMMUNICATIONS BUREAU ACTION

WIRELESS TELECOMMUNICATIONS BUREAU APPROVES REGION 3 (ARIZONA) 800 MHz REGIONAL PLAN AMENDMENT

PR Docket No. 91-143

On August 23, 2005, the Region 3 (Arizona) 800 MHz Regional Review Committee submitted a proposed amendment to its Public Safety Plan for the use of the Public Safety National Plan frequencies in the 821-824/866-869 MHz band.¹ Region 3 requested Commission review and approval of the proposed amendment, which (a) adds a common nomenclature for the Common Calling and Tactical Interoperability Channels to assist in statewide interagency operations; (b) modifies provisions to allow permanent repeaters for the Tactical Channels with certain restrictions, and (c) makes other minor administrative changes. In addition, Region 3 requested a waiver of adjacent regional concurrence requirement for Region 29 (New Mexico) because Region 29 does not have an active 800 MHz regional planning committee. For the reasons discussed below, we grant the waiver request and approve the Region 3 800 MHz Plan Amendment.

Background. In accordance with the National Public Safety Plan, each region is responsible for planning its use of public safety radio frequency spectrum in the 821-824/866-869 MHz bands.² The National Plan specifies special policies and procedures governing the Public Safety Pool.³ Regional plans must include an explanation of how the plan has been coordinated with adjacent regions. For modifications, the regional chair may recommend, in writing, changes to a regional plan, and the Commission will give public notice soliciting comment on any such

¹ See Letter dated August 19, 2005, from Larry Sayers, Chair, Region 3 - Arizona Regional Review Committee (ARRC Letter), to Marlene H. Dortch, Secretary, FCC (submitting Amendment to Arizona NSPAC Plan) filed August 23, 2005 (Plan Amendment).

² See Development and Implementation of a Public Safety National Plan and Amendment to Part 90 to Establish Service Rules and Technical Standards for Use of the 821-824/766-869 MHz Bands by the Public Safety Services, *Report and Order*, Gen. Docket No. 87-112, 3 FCC Rcd 905 (1987) (*National Plan Report and Order*).

³ See 47 C.F.R. § 90.16, Public Safety National Plan.

proposals and issue appropriate orders upon review.¹ The Region 3 Plan, which was originally adopted by the Commission in September 1991, was amended in 1998 and 2001.²

Review of the Region 3 Plan Amendment. On August 23, 2005, Region 3 submitted its proposed Plan Amendment, which was reviewed by, and letters of concurrence obtained from, four out of five of regions adjacent to Region 3: Region 5 (Southern California), Region 7 (Colorado), Region 27 (Nevada), and Region 41 (Utah).³ In its letter, Region 3 advised that it was unable to obtain adjacent regional concurrence from Region 29 (New Mexico) because Region 29 does not have an active 800 MHz regional planning committee.⁴

Prior to the instant Plan Amendment, Region 3 received Commission approval for an amendment submission in October 2001, which included concurrences from the adjacent regions, including Region 29 (New Mexico).⁵ We note that the current Plan Amendment does not involve modifications to the channel assignments or existing allotments. In addition, we observe that this submission replaces all previous versions of the Arizona Public Safety Radio Spectrum Planning Committee Regional Plan on file with the Commission.⁶ The following is a summary of the Plan Amendment revisions:

- Allocated Common Calling/Tactical Interoperability Channels. This section updates the channel nomenclature, use of the calling and tactical interoperability channels and recommends the mandatory use of the names list by all agencies to facilitate interagency communications.⁷

⁴ See *National Plan Report and Order*, 3 FCC Rcd at 911 ¶ 57.

⁵ See *In The Matter of Arizona (Region 3) Public Safety Plan, Order*, PR Docket No. 91-143, 6 FCC Rcd 5335 (PRB 1991); *Wireless Telecommunications Bureau Announces Approval for Minor Amendment to its Regional Plan, Public Notice*, PR Docket No. 91-143, 13 FCC Rcd 22460 (PRB 1998); *Wireless Telecommunications Bureau Approves Arizona (Region 3) Minor Amendment to Its Regional Public Safety Plan, Public Notice*, PR Docket No. 91-143, DA 01-2222 (WTB PSPWD rel. Oct. 15, 2001).

⁶ See *supra* note 2.

⁷ See ARRC Letter at 1.

⁸ See *Wireless Telecommunications Bureau Approves Arizona (Region 3) Minor Amendment to Its Regional Public Safety Plan, Public Notice*, PR Docket No. 91-143, DA 01-2222 (WTB PSPWD rel. Oct. 15, 2001) (revising the allocation of 800 MHz frequencies to accommodate both wideband analog and new, narrowband digital users, and to provide additional channels for users in Maricopa County).

⁹ The Plan Amendment is labeled as "Version 4, August 2, 2005."

¹⁰ See Plan Section 4.5 at 12. Allocated Common Calling/Tactical Interoperability Channels:
ICALL – (821/866.0125 MHz) National Public Safety Calling and Rural Tactical Operations Interoperability.
ITAC1 – (821/866.5125) Primary Fire and Emergency Medical Service, Statewide.
ITAC2 – (822/867.0125 MHz) – Primary Law Enforcement, Statewide.
ITAC3 – (822/867.0125 MHz) – Primary Fire and Emergency Medical Service, Statewide, Federal Government.
ITAC4 – (823/868.0125 MHz) – Primary Law Enforcement, Statewide; Federal Government.
AZTAC – (821/866.0375 MHz) – Primary Statewide for all Other Public Safety (including highway/forestry/local government/search and rescue).

- Tactical Interoperability Channel Requirements. For repeater establishment, the Arizona Regional Review Committee will determine the location of the tactical repeaters, and must be contacted by any agency using a transportable repeater within the coverage area of a permanent repeater. If an interoperability repeater is to be installed within seventy miles of the State boundary, the adjacent 800 MHz regional planning committee must be notified with the location in order to prevent interference to that region's interoperability capabilities.¹¹
- Plan Appendix IV- Frequency Allocation List (Allocated Channels by User) is updated to reflect prior Commission-approved allotment and channel assignment changes.¹²

Waiver Request. Section 1.925 of the Commission's Rules provides that a waiver of the Commission's Rules may be granted if it is shown that the underlying purpose of the rule(s) would not be served or would be frustrated by application to the instant case, and that a grant of the requested waiver would be in the public interest; or in view of the unique or unusual circumstances of the instant case, application of the rule(s) would be inequitable, unduly burdensome or contrary to the public interest or if the applicant has no reasonable alternative.¹³

In support of the waiver request, Region 3 explains that after multiple attempts and contacting several people, it was determined that Region 29 (New Mexico) does not have an active 800 MHz regional planning committee, as confirmed by the Julian Zamora, Chairman, Region 29 700 MHz Regional Planning Committee.¹⁴ A review of our regional planning records confirms that the Region 29 800 MHz regional planning committee status has remained unchanged. Accordingly, based on the record before us, we find that Region 3 exercised due diligence in its efforts to obtain adjacent regional concurrence from Region 29 (New Mexico), and that, under the circumstances presented, no reasonable alternative exists other than to seek a waiver of the adjacent concurrence requirement. Moreover, we believe that to postpone or delay the approval of the Region 3 (Arizona) 800 MHz Plan Amendment would be contrary to the public interest. Therefore, we find good cause to grant the Region 3 waiver request.

On December 30, 2005, the Region 3 Plan was placed on *Public Notice* for comment.¹⁵ We received no comments on the Plan. We have reviewed the Plan submitted by Region 3, and conclude that it complies with other applicable FCC rules and policies. Accordingly, pursuant to Section 4(i) of the Communications Act of 1934,

¹¹ See Plan Section 4.5.2.2, Repeater Establishment at 13-14.

¹² See Plan Appendix IV- Frequency Allocation List (Allocated Channels by User) at 57-66.

¹³ 47 C.F.R. § 1.925.

¹⁴ See ARRC Letter at 1. This fact is further corroborated by correspondence between the Region 29 (New Mexico) 700 MHz regional planning committee chair and Michael J. Wilhelm, Chief, Public Safety and Critical Infrastructure Division (PSCID), Wireless Telecommunications Bureau in November 2004. See Letter dated November 23, 2004 from Michael J. Wilhelm, Chief, PSCID, WTB to Julian Zamora, Communications Manager, City of Albuquerque, New Mexico (acknowledging that the former 800 MHz regional planning committee chair has retired and has not yet been replaced, and appointing Mr. Zamora to act as the convener to plan and conduct the initial Region 29 (New Mexico) 700 MHz RPC meeting).

¹⁵ See Comments Invited on Arizona (Region 3) 800 MHz Regional Review Committee Public Safety Plan Amendment, *Public Notice*, PR Docket No. 91-143, 20 FCC Rcd 20507 (WTB PSCID 2005). Comments were due January 30, 2006 and reply comments were due February 14, 2006.

Version August 14, 2007

as amended, 47 U.S.C. § 154(i), and Section 1.102(b) of the Commission's Rules, 47 C.F.R. § 1.102(b), the Region 3 (Arizona) 800 MHz Public Safety Plan Amendment is APPROVED.

This action is taken under delegated authority pursuant to Sections 0.131 and 0.331 of the Commission's Rules, 47 C.F.R. §§ 0.131, 0.331.

Action by the Chief, Public Safety and Critical Infrastructure Division, Wireless Telecommunications Bureau.

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